#### C7LC&\$&\$8!&) "\* A < n!5!J

25.6MHz Hermetically Sealed Package OCXO

#### Features and Benefits

25.600000 MHz operating frequency
-45°C to +85°C extended temperature operation
Less than +/- 50 ppb over operating temperature
Frequency tolerance after 3 minutes warmup: Less than +/- 0.52 Hz
Low Noise +9 dBm typ. output power
+/- 2 ppm min. tuning range over 0V to +4V
20.0 mm x 20.0 mm x 10.6 mm hermetically sealed package

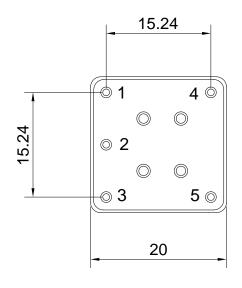
#### Typical Applications

Optimized as Mobile Radio Infrastructure Clock Reference

#### Description

Optimized SC-cut resonator used over many years in production for this type of ovenized oscillator clock reference application.

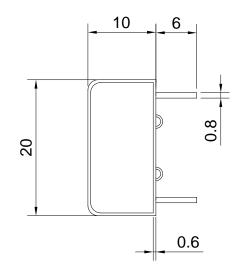
#### Mechanical Drawing & Pin Connections



Pin	Function
1	GND
2	Output
3	Power Supply
4	Ref. Voltage
5	Control Voltage

Drawing No: MD

MD160007-1



Unit:mm 1mm=0.0394inch



## Dynamic Engineers Inc.

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### **Specifications**

Oscillator Specification		Com	Condition	Value			1114	Note		
		Sym		Min.	Тур.	Max.	Unit	Note		
Nominal Frequency		f <sub>0</sub>		25.600000			MHz			
Frequency Tolerance			After power on 3min max.			+/-0.02	ppm			
RF Output										
Waveform:					Sine-wave					
Level		L	For -45°C to +85°C	+7	+9	+11	dBm			
Load		R∟		45	50	55	Ohm			
Harmonics				-35			dBc			
Spurious				-75			dBc			
Frequency cont										
Reference Voltage				+3.5	+4	+4.5	V			
Turning Voltage				0		4	V			
Frequency Turning Range				+/-2			ppm			
Power Supply										
Voltage		V <sub>cc</sub>		4.75	5	5.25	V			
Warm-up Current						600	mA			
Steady state Current						200	mA			
Warm-up Time:		$T_{up}$	The stability is less than +/- 1ppm		30		s			
Frequency Stab	ility									
Vs.Temperature			From -45°C to +85°C			+/-0.05	ppm			
Aging	per year				+/-0.1		ppm			
SSB Phase noise			1Hz		-80					
			10 Hz		-120					
			100 Hz		-140		dBc/Hz			
			1 KHz		-150					
			10 KHz		-155					
Environmental (										
Operating temperature range			-45°C to +85°C							
Humidity	Humidity		Hermetically sealed							